ELSEVIER

Journal of Luminescence 86 (2000) 421–425

JOURNAL OF LUMINESCENCE

www.elsevier.com/locate/jlumin

Index of Authors and Papers

Arbuzov, V.I., see A. Osvet 86 (2000) 323
Arvanitidis, J., see W. Beck 86 (2000) 289
Arvanitidis, J., see D. Ricard 86 (2000) 317
Aydınlı, A., see N.M. Gasanly 86 (2000) 39

Babbitt, W.R., see K.D. Merkel 86 (2000) 375
Baldwin, K.J., see Z. He 86 (2000) 1
Ballato, J., R. Esmacher, R. Schwartz, M. Dejneka, Phonon sideband spectroscopy and 1550 nm luminescence from Eu^{3+} and Er^{3+}-doped ferroelectric PLZT for active electro-optic applications 86 (2000) 101
Basiev, T., see W. Beck 86 (2000) 289
Basso, H.C., see G.K. Cruz 86 (2000) 155
Baten, S.M.A., see N.M. Gasanly 86 (2000) 39
Beck, W., A. Karasik, J. Arvanitidis, T. Basiev, C. Flytzanis, Spectral hole burning in CaF_2–YF_3:Nd^{3+} crystals 86 (2000) 289
Beck, W., see D. Ricard 86 (2000) 317
Belair, S.D., C.L. Maupin, M.W. Logue, J.P. Riehl, Analysis of the temperature dependence of the racemization of Eu(III) complexes through measurement of steady-state circularly polarized luminescence 86 (2000) 61
Boilot, J.-P., see J.-P. Galaup 86 (2000) 363
Borik, M.A., see D. Ricard 86 (2000) 317
Boulon, G., see A. Brenier 86 (2000) 125
Brenier, A., G. Boulon, Self-frequency summing NYAB laser for tunable UV generation 86 (2000) 125
Broquier, M., see J.-P. Galaup 86 (2000) 363

Capozzi, V., G. Celentano, G. Perna, G.F. Lorusso, A. Minafra, Photoluminescence properties of C_{60} films deposited on silicon substrate 86 (2000) 129
Carpenter, A.V., see A.V. Turukhin 86 (2000) 333
Carvalho, R.A., see G.K. Cruz 86 (2000) 155
Cases, R., see I. García-Rubio 86 (2000) 147
Cavellec, R., see M. Illemassene 86 (2000) 45
Celentano, G., see V. Capozzi 86 (2000) 129
Chang, S.-S., R.E. Hummel, Comparison of photoluminescence behavior of porous germanium and spark-processed Ge 86 (2000) 33
Chaput, F., see J.-P. Galaup 86 (2000) 363
Chu, T., see A.V. Turukhin 86 (2000) 333
Cole, Z., see K.D. Merkel 86 (2000) 375
Cone, R.L., see R.M. Macfarlane 86 (2000) 311
Crépin, C., see J.-P. Galaup 86 (2000) 363
Cruz, G.K., H.C. Basso, M.C. Terrile, R.A. Carvalho, Spectroscopic properties of Y_2BaZnO_5:Er^{3+} 86 (2000) 155

Danel, A., see Z. He 86 (2000) 1
Dědic, R., M. Lovčinský, F. Vácha, J. Hála, Laser-induced hole filling in reaction center of photosystem II 86 (2000) 407
Dědic, R., see M. Lovčinský 86 (2000) 415
Dejneka, M., see J. Ballato 86 (2000) 101
Dian, J., see J. Valenta 86 (2000) 341
Doetschman, D.C., see J.P.D. Martin 86 (2000) 355
Donley, E.A., see T. Plakhotnik 86 (2000) 175
Doualan, J.-L., see P. Le Boulanger 86 (2000) 15
Dräbenstedt, A., see S.Ya. Kilin 86 (2000) 201
Drobizhev, M., C. Sigel, A. Rebane, Picosecond fluorescence decay and exciton dynamics in a new far-red molecular J-aggregate system 86 (2000) 107
Drobizhev, M., C. Sigel, A. Rebane, Photo-tautomer of Br-porphyrin: a new frequency-selective material for ultrafast time–space holographic storage 86 (2000) 391
Dubost, H., see J.-P. Galaup 86 (2000) 363

Edelstein, N.M., see M. Illemassene 86 (2000) 45
Elman, U., see R. Krishna Mohan 86 (2000) 383
Emelianova, S., see A. Osvet 86 (2000) 323
Esmacher, R., see J. Ballato 86 (2000) 101

Flytzanis, C., see W. Beck 86 (2000) 289
Flytzanis, C., see D. Ricard 86 (2000) 317
Fotteler, T., see D. Ricard 86 (2000) 317

Fujita, K., K. Tanaka, H. Sasaki, K. Hirao, Effect of sodium ions on persistent spectral hole burning in Pr^{3+}-doped silicate glasses 86 (2000) 297
Fujita, K., K. Nouchi, K. Hirao, Local structure and persistent spectral hole burning of Sm^{2+} in silica-based fibers 86 (2000) 305

Galaup, J.-P., M. Broquier, C. Crépin, H. Dubost, J.-M. Ortega, F. Chaput, J.-P. Boilot, Vibrational dynamics of CO stretching in $W(CO)_6$-doped hybrid xerogels from 5 K to room temperature with the CLIO-FEL 86 (2000) 363
Garcia-Rubio, I., J.A. Pardo, R.I. Merino, R. Cases, V.M. Orera, Concentration and temperature dependence of Nd^{3+} luminescence in $LaGaO_3$ 86 (2000) 147
Gasanly, N.M., A. Serpengüzel, A. Aydınlı, S.M.A. Baten, Low-temperature visible photoluminescence spectra of $TlGaSe_2$ layered crystal 86 (2000) 39
Gibe, T., see K. Sakoda 86 (2000) 249
Gilliot, P., see J. Valenta 86 (2000) 341
Girard, S., see P. Le Boulanger 86 (2000) 15
Gorokhovsky, A.A., see A.V. Turukhin 86 (2000) 333
Gorokhovsky, A.A., see A.V. Turukhin 86 (2000) 399
Gudmundsdottir, A.D., see B. Kozankiewicz 86 (2000) 261

Haarer, D., see B.M. Kharlamov 86 (2000) 235
Hála, J., see R. Dědic 86 (2000) 407
Hála, J., see M. Lovčinský 86 (2000) 415
Hashizume, K., see M. Vácha 86 (2000) 195
Hayakawa, T., see M. Nogami 86 (2000) 117
He, Z., G.H.W. Milburn, K.J. Baldwin, D.A. Smith, A. Danel, P. Tomasik, The efficient blue photoluminescence of pyrazolo-[3,4-b]-quinoline derivatives and the energy transfer in polymer matrices 86 (2000) 1
Hirao, K., see K. Fujita 86 (2000) 297
Hirao, K., see K. Fujita 86 (2000) 305
Hoffmann, W., see B.S.K. Nair 86 (2000) 67
Hofmann, U., see A. Leopold 86 (2000) 371
Huber, D.L., Two-state model for subexponential fluorescence 86 (2000) 95
Hubert, S., see M. Illemassene 86 (2000) 45
Hummel, R.E., see S.-S. Chang 86 (2000) 33
Husberg, O., see H. Vogelsang 86 (2000) 87
Huskowska, E., J.P. Riehl, Solution and solid state spectroscopy of tetrakis complexes of 2,2′-bipyridine-1,1′-dioxide with europium(III) 86 (2000) 137

Illemassene, M., N.M. Edelstein, K.M. Murdoch, M. Karbowiak, R. Cavellec, S. Hubert, Site-selective spectroscopy and crystal field analysis of Cm^{3+} diluted in $CsCdBr_3$ 86 (2000) 45
Inoue, K., see K. Sakoda 86 (2000) 249

Jagannathan, R., see A. Karthikeyani 86 (2000) 79

Kadono, K., see J. Qiu 86 (2000) 23
Kador, L., T. Latychevskaia, A. Renn, U.P. Wild, Radio-frequency Stark effect modulation of single-molecule lines 86 (2000) 189
Kador, L., Statistical theory of inhomogeneous spectral line shapes applied to financial markets 86 (2000) 219
Karasik, A., see W. Beck 86 (2000) 289
Karasik, A.Ya., see D. Ricard 86 (2000) 317
Karbowiak, M., see M. Illemassene 86 (2000) 45
Karthikeyani, A., R. Jagannathan, Eu^{2+} luminescence in *stillwellite*-type $SrBPO_5$ – a new potential X-ray storage phosphor 86 (2000) 79
Kawamata, J., see K. Sakoda 86 (2000) 249
Kawamoto, Y., see J. Qiu 86 (2000) 23
Kharlamov, B.M., Low-temperature equilibrium and nonequilibrium glass dynamics on a broad time and temperature scale investigated via optical hole-burning spectroscopy 86 (2000) 225
Kharlamov, B.M., J. Müller, O.V. Khodykin, D. Haarer, Spectral diffusion in PMMA on a long time scale at 4.2 K. Nonlogarithmic hole broadening and absence of aging effect 86 (2000) 235
Khodykin, O.V., see B.M. Kharlamov 86 (2000) 235
Kiisk, V., V. Palm, A. Suisalu, I. Sildos, Peculiarities of SHB in the 637 nm line of N–V defects in CVD-grown diamond films 86 (2000) 349
Kilin, S.Ya., A.P. Nizovtsev, T.M. Maevskaya, A. Dräbenstedt, J. Wrachtrup, Spectroscopy on single N–V defect centers in diamond: tunneling of nitrogen atoms into vacancies and fluorescence spectra 86 (2000) 201
Kobayashi, D., see M. Mikami 86 (2000) 257
Kol'chenko, M.A., see Yu.G. Vainer 86 (2000) 265
Kol'chenko, M.A., see A. Leopold 86 (2000) 371
Komenda, J., see M. Lovčinský 86 (2000) 415
Könz, F., see R.M. Macfarlane 86 (2000) 311
Koreeda, A., see M. Mikami 86 (2000) 257

Kozankiewicz, B., A.D. Gudmundsdottir, M. Orrit, M.S. Platz, Ph. Tamarat, Hole burning on a triplet–triplet transition: 2,2-dinaphthylcarbene in n-hexane at 1.7 K 86 (2000) 261
Krishna Mohan, R., U. Elman, M. Tian, B. Luo, S. Kröll, Photon-echo amplification and regeneration for optical data storage and processing 86 (2000) 383
Kröll, S., see R. Krishna Mohan 86 (2000) 383

Lakshmanan, A.R., see B.S.K. Nair 86 (2000) 67
Latychevskaia, T., see L. Kador 86 (2000) 189
Le Boulanger, P., J.-L. Doualan, S. Girard, J. Margerie, R. Moncorgé, B. Viana, Excited-state absorption of Er^{3+} in the $Ca_2Al_2SiO_7$ laser crystal 86 (2000) 15
Leopold, A., M.A. Kol'chenko, U. Hofmann, S.J. Zilker, Investigations on the effective drift length in organic photorefractive materials 86 (2000) 371
Lévy, R., see J. Valenta 86 (2000) 341
Logue, M.W., see S.D. Belair 86 (2000) 61
Lorusso, G.F., see V. Capozzi 86 (2000) 129
Lovčinský, M., see R. Dědic 86 (2000) 407
Lovčinský, M., R. Dědic, J. Komenda, J. Hála, Hole burning study of CP 34 pigment protein of iron-deprived cyanobacterium *Synechococcus elongatus* 86 (2000) 415
Luo, B., see R. Krishna Mohan 86 (2000) 383

Macfarlane, R.M., F. Könz, Y. Sun, R.L. Cone, Spectral hole burning and optical dephasing in disordered crystals – $Pr^{3+}:LiNbO_3$ and $Pr^{3+}:Sr_{.6}Ba_{.4}Nb_2O_6$ (SBN) 86 (2000) 311
Maevskaya, T.M., see S.Ya. Kilin 86 (2000) 201
Manson, N.B., see G.J. Pryde 86 (2000) 279
Manson, N.B., see J.P.D. Martin 86 (2000) 355
Margerie, J., see P. Le Boulanger 86 (2000) 15
Martin, J.P.D., N.B. Manson, D.C. Doetschman, M.J. Sellars, R. Neuhaus, E. Wilson, Spectral hole burning and Raman heterodyne signals associated with an avoided crossing in the NV centre in diamond 86 (2000) 355
Matsuda, K., see M. Takeda 86 (2000) 285
Maupin, C.L., see S.D. Belair 86 (2000) 61
Meixner, A.J., M.A. Weber, Single molecule spectral dynamics at room temperature 86 (2000) 181
Merino, R.I., see I. García-Rubio 86 (2000) 147
Merkel, K.D., Z. Cole, W.R. Babbitt, Signal correlator with programmable variable time delay based on optical coherent transients 86 (2000) 375
Mikami, M., T. Ueta, D. Kobayashi, A. Koreeda, S. Saikan, Electron–phonon interaction of a dye dissolved in interstitial water 86 (2000) 257
Mikhailik, V.B., see P.A. Rodnyi 86 (2000) 161
Milburn, G.H.W., see Z. He 86 (2000) 1
Minafra, A., see V. Capozzi 86 (2000) 129
Moncorgé, R., see P. Le Boulanger 86 (2000) 15
Moser, C., see A.V. Turukhin 86 (2000) 399
Müller, J., see B.M. Kharlamov 86 (2000) 235
Murdoch, K.M., see M. Illemassene 86 (2000) 45

Nagakura, T., see M. Nogami 86 (2000) 117
Nair, B.S.K., D. Sundar, A. Tomita, W. Hoffmann, A.R. Lakshmanan, Thermostimulated luminescence, photoluminescence and X-ray-induced luminescence in $CaSO_4:Ce$; $CaSO_4:Ce, Na$; $CaSO_4:Ce, Mn$ and $CaSO_4:Ce, Mn, Na$ phosphors 86 (2000) 67
Naumov, A.V., see Yu.G. Vainer 86 (2000) 265
Naumov, A.V., Yu.G. Vainer, S.J. Zilker, Nonexponential two-pulse photon echo decay in amorphous solids at low temperatures 86 (2000) 273
Neuhaus, R., see J.P.D. Martin 86 (2000) 355
Nishikawa, J., see K. Sakoda 86 (2000) 249
Nizovtsev, A.P., see S.Ya. Kilin 86 (2000) 201
Nogami, M., T. Nagakura, T. Hayakawa, Site-dependent fluorescence and hole-burning spectra of Eu^{3+}-doped Al_2O_3–SiO_2 glasses 86 (2000) 117
Nouchi, K., see K. Fujita 86 (2000) 305

Okamoto, Y., see A.V. Turukhin 86 (2000) 333
Orera, V.M., see I. García-Rubio 86 (2000) 147
Orrit, M., see B. Kozankiewicz 86 (2000) 261
Ortega, J.-M., see J.-P. Galaup 86 (2000) 363
Osad'ko, I.S., L.B. Yershova, Dynamical theory for two-photon correlators: spectral line jumps and spectral diffusion 86 (2000) 211
Osvet, A., S. Emelianova, R. Weissmann, V.I. Arbuzov, A. Winnacker, Spectral hole burning in Sm^{2+}-doped alkaliborate glasses and Tb^{3+}-doped silicate and borate glasses 86 (2000) 323

Palm, V., K. Rebane, On the role of spectral diffusion in single-molecule spectroscopy 86 (2000) 207

Palm, V., see V. Kiisk 86 (2000) 349
Pardo, J.A., see I. García-Rubio 86 (2000) 147
Perna, G., see V. Capozzi 86 (2000) 129
Personov, R.I., see Yu.G. Vainer 86 (2000) 265
Plakhotnik, T., E.A. Donley, Statistics of a single terrylene molecule in hexadecane 86 (2000) 175
Platz, M.S., see B. Kozankiewicz 86 (2000) 261
Pryde, G.J., M.J. Sellars, N.B. Manson, Optical non-Bloch behaviour observed using an optical Carr–Purcell–Meiboom–Gill pulse sequence 86 (2000) 279
Psaltis, D., see A.V. Turukhin 86 (2000) 399

Qiu, J., M. Shojiya, Y. Kawamoto, K. Kadono, Energy transfer process and Tb^{3+} up-conversion luminescence in Nd^{3+}–Yb^{3+}–Tb^{3+} co-doped fluorozirconate glasses 86 (2000) 23

Rebane, A., see M. Drobizhev 86 (2000) 107
Rebane, A., see M. Drobizhev 86 (2000) 391
Rebane, K., see V. Palm 86 (2000) 207
Rebane, K.K., Zero-phonon selective spectroscopy: where do we stand now? 86 (2000) 167
Renge, I., U.P. Wild, Inhomogeneous broadening and pressure shifts of the optical spectra in organic glasses at low temperatures 86 (2000) 241
Renn, A., see L. Kador 86 (2000) 189
Ricard, D., W. Beck, A.Ya. Karasik, M.A. Borik, J. Arvanitidis, T. Fotteler, C. Flytzanis, Room-temperature persistent spectral hole burning in Eu^{3+}-doped inorganic glasses: the mechanisms 86 (2000) 317
Riehl, J.P., see S.D. Belair 86 (2000) 61
Riehl, J.P., see E. Huskowska 86 (2000) 137
Rodnyi, P.A., V.B. Mikhailik, G.B. Stryganyuk, A.S. Voloshinovskii, C.W.E. van Eijk, G.F. Zimmerer, Luminescence properties of Ce-doped $Cs_2LiLaCl_6$ crystals 86 (2000) 161

Saikan, S., see M. Mikami 86 (2000) 257
Saikan, S., see M. Takeda 86 (2000) 285
Sakoda, K., R. Yamaguchi, J. Nishikawa, T. Gibe, T. Uchida, J. Kawamata, K. Inoue, Temperature dependence of the optical homogeneous width of mesoporphyrin and its aggregate in polyvinylalcohol at 1.8–50 K 86 (2000) 249
Sasaki, H., see K. Fujita 86 (2000) 297
Schwartz, R., see J. Ballato 86 (2000) 101
Sellars, M.J., see G.J. Pryde 86 (2000) 279
Sellars, M.J., see J.P.D. Martin 86 (2000) 355
Serpengüzel, A., see N.M. Gasanly 86 (2000) 39
Shojiya, M., see J. Qiu 86 (2000) 23
Sigel, C., see M. Drobizhev 86 (2000) 107
Sigel, C., see M. Drobizhev 86 (2000) 391
Sildos, I., see V. Kiisk 86 (2000) 349
Smith, D.A., see Z. He 86 (2000) 1
Solomatin, I.V., see A.V. Turukhin 86 (2000) 399
Stryganyuk, G.B., see P.A. Rodnyi 86 (2000) 161
Suisalu, A., see V. Kiisk 86 (2000) 349
Sun, Y., see R.M. Macfarlane 86 (2000) 311
Sundar, D., see B.S.K. Nair 86 (2000) 67
Suzuki, C., see M. Takeda 86 (2000) 285

Takeda, M., K. Matsuda, C. Suzuki, S. Saikan, Two-photon excited fluorescence line narrowing spectroscopy in dyes without inversion symmetry 86 (2000) 285
Tamarat, Ph., see B. Kozankiewicz 86 (2000) 261
Tanaka, K., see K. Fujita 86 (2000) 297
Tani, T., see M. Vácha 86 (2000) 195
Terrile, M.C., see G.K. Cruz 86 (2000) 155
Tian, M., see R. Krishna Mohan 86 (2000) 383
Tomasik, P., see Z. He 86 (2000) 1
Tomita, A., see B.S.K. Nair 86 (2000) 67
Turukhin, A.V., A.V. Carpenter, A.A. Gorokhovsky, T. Chu, Y. Okamoto, Hole-burning spectroscopy of thulium chelates 86 (2000) 333
Turukhin, A.V., A.A. Gorokhovsky, C. Moser, I.V. Solomatin, D. Psaltis, Spectral hole burning in naphthalocyanines derivatives in the region 800 nm for holographic storage applications 86 (2000) 399

Uchida, T., see K. Sakoda 86 (2000) 249
Ueta, T., see M. Mikami 86 (2000) 257

Vácha, M., K. Hashizume, T. Tani, Sub-micron scale spectroscopy and microscopy of individual mesoscopic systems at cryogenic temperatures 86 (2000) 195
Vácha, F., see R. Dědic 86 (2000) 407
Vainer, Yu.G., M.A. Kol'chenko, A.V. Naumov, R.I. Personov, S.J. Zilker, Photon echoes in doped organic amorphous systems over a wide (0.35–50 K) temperature range 86 (2000) 265
Vainer, Yu.G., see A.V. Naumov 86 (2000) 273
Valenta, J., J. Dian, P. Gilliot, R. Lévy, Growth and decay of persistent spectral holes in CuBr semiconductor quantum dots 86 (2000) 341

van Eijk, C.W.E., see P.A. Rodnyi 86 (2000) 161
Viana, B., see P. Le Boulanger 86 (2000) 15
Vogelsang, H., O. Husberg, W. von der Osten, Optical properties of γ-AgI nanocrystals synthesized in reverse micelles 86 (2000) 87
Voloshinovskii, A.S., see P.A. Rodnyi 86 (2000) 161
von der Osten, W., see H. Vogelsang 86 (2000) 87

Weber, M.A., see A.J. Meixner 86 (2000) 181
Weissmann, R., see A. Osvet 86 (2000) 323
Wild, U.P., see L. Kador 86 (2000) 189
Wild, U.P., see I. Renge 86 (2000) 241
Wilson, E., see J.P.D. Martin 86 (2000) 355
Winnacker, A., see A. Osvet 86 (2000) 323
Wrachtrup, J., see S.Ya. Kilin 86 (2000) 201

Yamaguchi, R., see K. Sakoda 86 (2000) 249
Yershova, L.B., see I.S. Osad'ko 86 (2000) 211

Zilker, S.J., see Yu.G. Vainer 86 (2000) 265
Zilker, S.J., see A.V. Naumov 86 (2000) 273
Zilker, S.J., see A. Leopold 86 (2000) 371
Zimmerer, G.F., see P.A. Rodnyi 86 (2000) 161

ELSEVIER

Journal of Luminescence 86 (2000) 427–428

JOURNAL OF LUMINESCENCE

www.elsevier.com/locate/jlumin

Subject Index

Absorption 15
Absorption signals 189
Acoustic phonon scattering 257
Amorphous solids 265, 273

Blue emitter 1

Carrier drift length 371
Central limit theorem 219
Charge compensation 67
Charge transport 371
Chirality 61, 137
Circularly polarized luminescence 137
Coherent transients 279
Concentration quenching 147
Core-valence luminescence 161
Correlation signal processing 375

Defect centers 201
Direct exciton 87
Disorder 95
Disordered crystals 289
Doped polymer matrix 1

Electro-Optics 101
Elpasolites 161
Emission 137
Energy transfer 1, 23, 67
Excited-state absorption 15, 45
Exciton confinement 87
Exciton migration 407
Exciton relaxation dynaics 107
Excitons 341

Fe limited cyanobacteria 415
Fibre amplifier 383
Financial markets 219
Fluorescence 15, 261
Fluorescence excitation 261
Fluorescence line narrowing 117, 257, 285
Four-wave mixing 375
Free electron laser 363
Frequency mixing 125

Glass dynamics 265, 273
Glasses 117, 317
GRIN 195

Hole broadening 235
Hole burning 117, 195, 225, 249, 261, 355, 391, 399, 407, 415
Hole filling 341
Holography 399
Homogeneous line width 285

Imaging-plates 79
Impurity level 39
Infrared absorption 107
Inhomogeneous broadening 241
Inhomogeneous line broadening 219
Interdigitating electrodes 189

J-aggregates 107, 195
Judd–Ofelt analysis 15

Kinetics 61

Laser-indced hole filling 407
Lifetimes 45
Light-induced spectral diffusion 175
Linear frequency chirped optical pulses 375
LO phonon scattering 87
Low temperature 195
Low-energy excitation 297
Low-temperature glass dynamics 225
Luminescence spectrum 349

Magnetic field effect 261
Materials 333
Microscopy 195
Molecular glasses 241

Nanocrystals 87,341
Nanostructures 33
Neutron–gamma discrimination 161
N–V defects 349
Non-Gaussian distributions 219
Non-symmetric porphyrin 391

Optical coherent transients 375
Optical data storage 383
Optical hole burning 289
Optical homogeneous width 249
Optical nonlinearity 125
Optical properties 129
Optical spectra 241

Persistent spectral hole burning 297, 305, 317, 323
Phonons 101
Photoionization 341
Photoluminescence 1, 33, 39, 67, 95, 129, 147
Photon echo 249, 265, 273, 363, 383
Photorefractive effect 371
PLZT ceramics 101
Polarization 137
Pressure shifts 241
Pump–probe spectroscopy 363

Quantum computing 167

Racemization 61
Radio-frequency modultion 189
Raman heterodyne 355
Rare-earth 23
Reaction center of photosystem II 407
Recoil energy 167
Redox process 67
Reflection 195
Resonant Raman scattering 87
Room temperature 317

Semiconductors 39
Sensitised fluorescence 1
Shpol'skii matrix 207, 261
Shpol'skii systems 175
Single-molecule spectroscopy 167, 175, 181, 189, 201, 207, 211
Site selective spectroscopy 175
Six-wave mixing 375
Sol–gel 117
Spark-processed germanium 33
Spectral diffusion 207, 219, 235
Spectral hole burning 167, 241, 311, 333, 341, 349
Spectroscopy 155
Spin polarization 355
Stark effect 189
Statistical analysis 175
Statistical theory 219
Strain field 349
Stretched exponential decay 95
Symmetric dimer pair 45

Temperature dependence 107
Thermal-neutron detection 161
Thermostimulated luminescence 67
Thin films 129
Time-and-space domain holography 167
Time-resolved fluorescence 107
Trapping 95
Tunneling 201
Two-level systems 311
Two-photon correlator 211
Two-photon-induced fluorescence 285

Ultrafast time–space holography 391
Up-conversion 23
UV laser 125

Xerogels 363

Zero-phonon line 167

ELSEVIER

Journal of Luminescence 86 (2000) 429

JOURNAL OF LUMINESCENCE

www.elsevier.com/locate/jlumin

Materials Index

2,3,12,13,-tetraethyl-7-bromo-21H,23H-porphin (BrTEP) 391

γ-AgI 87

Actinides 45
Aluminosilicate glass fiber 305

$Ca_2Al_2SiO_7$ 15
Carbenes 261
Ce^{3+} emission 161
Chelates and polymers 333
Chlorophyll-binding protein CP 34 415
Cm^{3+} 45
$Cs_2LiLaCl_6$ 161
$CsCdBr_3$ 45

Diamond 201, 355
Diamond films 349
Dyes 241, 257, 285

Er^{3+} 155
Erbium 15, 101
Eu^{3+} ion 117
Eu^{3+} : Y_2SiO_5 279
Europium 61, 79, 101, 137, 317

Fluoride glass 23
Fullerenes 129

Gallates 147

Lithium niobate 311

Mesoporphyrin 249

Naphthalene 189
Naphthalocyanines 399
Nd^{3+} 147
Nd^{3+} ions 289
n-hexadecane 189

Phosphors 79
Polymers 211
Polyvinylalcohol 249
Porous germanium 33
Pr^{3+} 297
Praseodymium 311
Pyrazolo-[3,4-b]-quinoline 1

Sm^{2+} 305
Sm^{2+}-doped borate glasses 323
Sodium silicate glass 297
$SrBPO_5$ 79
Stillwellites 79

Tb^{3+}-doped borate glasses 323
Terrylene 175, 189
Thulium ion 333
$TlGaSe_2$ 39
Tungsten hexacarbonyl 363

Water 257

Y_2BaZnO_5 155